

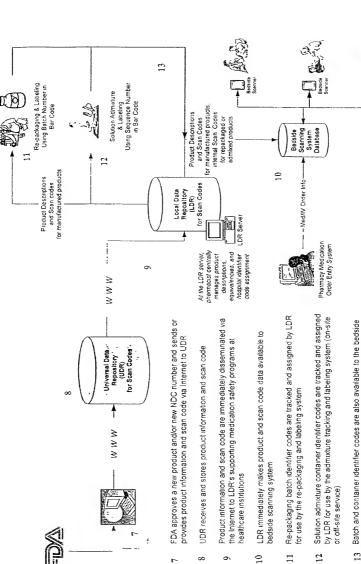
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Figure 1 Prior Art

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Proposed Process for Supporting the Bedside Scanning System Scan Code Database .



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scanning system making virtually ALL medications and solutions

scannable for patient safety checks

Current Product Recall Process

(Example = A Recalled Medication)

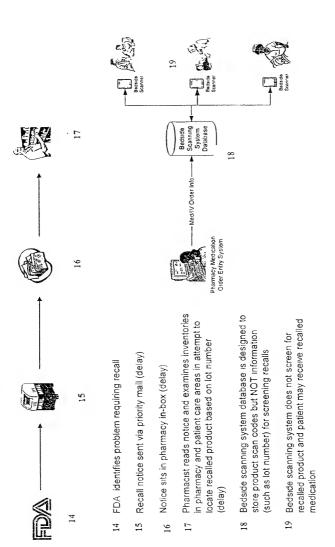


Figure 3 Prior Art

Proposed Product Recall Process

(Example = A Recalled Medication)

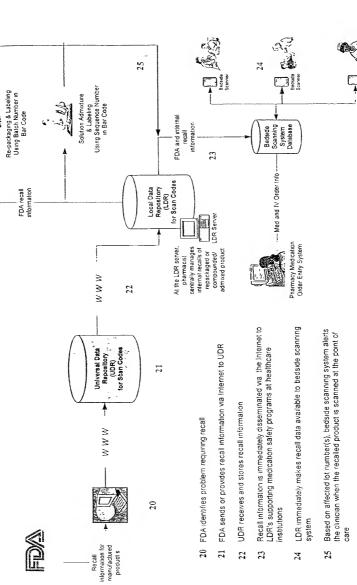


Figure 4

Current Medication Safety Architecture

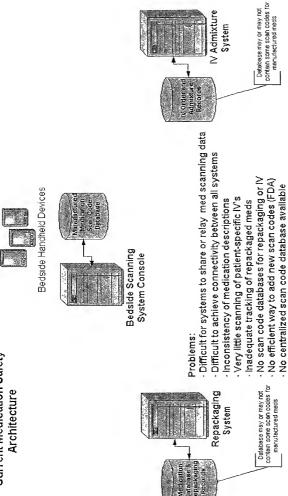


Figure 5

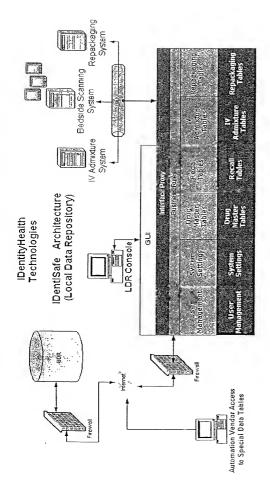
 No data formatting to support dosing calculations No accommodation for special data needs of new

and other clinical functions

automated systems

No single data maintenance point for pharmacy

No electronic product recall system



Resolutions to problems using IDentiSafe:

- Any system can access medication data by following IDentiSafe technical business rules
 - Systems can relay scan code data to IDentiSafe and therefore to each other
- Unique patient-specific IV's can be positively identified and, if necessary, individually recalled All systems can access the same med descriptions and med scan codes for consistency
 - Repackaged meds can be tracked and, if necessary, recalled by batch
- Repackaging or IV Systems can access any scan code for pre-scanning medications
- IDentiSafe can be updated automatically with new med descriptions and scan codes as issued
 - One centralized medication description and scan code data maintenance point for pharmacy by the FDA (NDC numbers)
 - An FDA-recalled or internally recalled product can be prevented from being used
- Data is formatted to support calculations, dosing instructions, and other clinical functions Automated system vendors can globally manage their systems' special data needs
- Figure 6